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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS	4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS	7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS	8	JAN 29	PHAR reloaded with new search and display fields
NEWS	9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	13	FEB 26	MEDLINE reloaded with enhancements
NEWS	14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	19	MAR 16	CASREACT coverage extended
NEWS	20	MAR 20	MARPAT now updated daily
NEWS	21	MAR 22	LWPI reloaded
NEWS	22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS	27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	28	MAY 01	New CAS web site launched
NEWS	29	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS	30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	33	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS	34	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:09:41 ON 11 JUN 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:09:52 ON 11 JUN 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JUN 2007 HIGHEST RN 936909-28-3
DICTIONARY FILE UPDATES: 10 JUN 2007 HIGHEST RN 936909-28-3

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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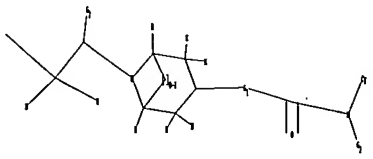
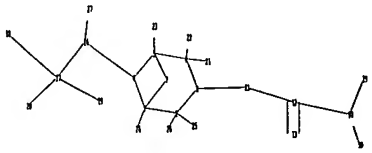
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10539522.str





chain nodes :
11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 29 30
ring nodes :
1 2 3 4 5 6 7
chain bonds :
1-11 2-25 2-26 3-24 4-16 5-23 6-21 6-22 11-12 12-13 12-14 14-29 14-30
16-17 16-27 17-18 17-19 17-20
ring bonds :
1-2 1-6 2-3 3-4 3-7 4-5 5-6 5-7
exact/norm bonds :
1-2 1-6 1-11 2-3 3-4 3-7 4-5 4-16 5-6 5-7 11-12 12-13 12-14 14-29
14-30 16-27
exact bonds :
2-25 2-26 3-24 5-23 6-21 6-22 16-17 17-18 17-19 17-20
isolated ring systems :
containing 1 :

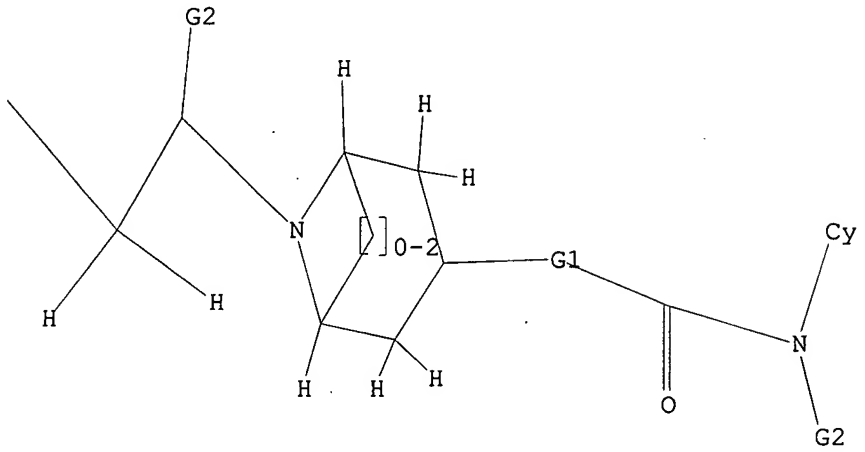
G1:C,O,S

G2:C,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 11:CLASS 12:CLASS
13:CLASS 14:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 29:Atom 30:CLASS
Generic attributes :
29:
Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S
G2 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 14:10:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 314 TO ITERATE

100.0% PROCESSED 314 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5217 TO 7343
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 14:10:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5976 TO ITERATE

100.0% PROCESSED 5976 ITERATIONS 39 ANSWERS
SEARCH TIME: 00.00.01

L3 39 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 14:10:38 ON 11 JUN 2007
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FILE COVERS 1907 - 11 Jun 2007 VOL 146 ISS 25
FILE LAST UPDATED: 10 Jun 2007 (20070610/ED)

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They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3 full
L4 1 L3

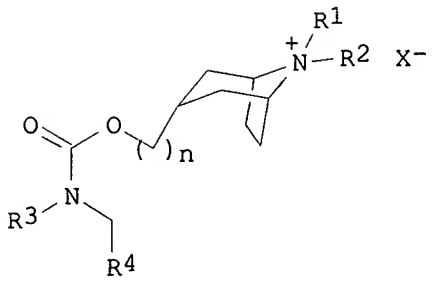
=> d ibib abs hitstr tot

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1154378 CAPLUS
DOCUMENT NUMBER: 143:422258
TITLE: Preparation of 8-azoniabicyclo[3.2.1]octane carbamates as muscarinic acetylcholine receptor antagonists.
INVENTOR(S): Laine, Dramane I.; Palovich, Michael R.; Xie, Haibo; Buffet, Noemie
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 67 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005099706	A2	20051027	WO 2005-US11975	20050407
WO 2005099706	A3	20060511		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1732923	A2	20061220	EP 2005-737620	20050407
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV				

PRIORITY APPLN. INFO.: US 2004-560155P P 20040407
WO 2005-US11975 W 20050407

OTHER SOURCE(S): MARPAT 143:422258
GI



I

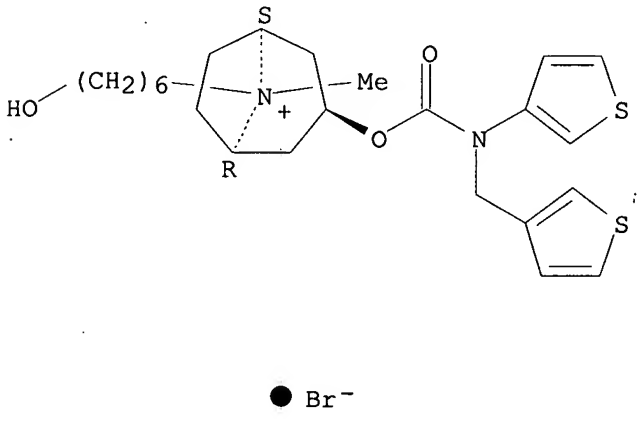
AB Title compds. [I; R1 = bond, H, alkyl; R2 = H, alkyl, haloalkyl, cyanoalkyl, alkenyl, cycloalkenyl, alkylcycloalkyl, cycloalkylalkyl, etc.; R3, R4 = (substituted) Ph, thienyl, furyl, cycloalkyl; n = 0-2; X = pharmaceutically acceptable counterion], were prepared for treatment of chronic obstructive pulmonary disease, chronic bronchitis, asthma, chronic respiratory obstruction, pulmonary fibrosis, emphysema, and allergic rhinitis (no data). Thus, (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl [(2-fluorophenyl)methyl]-2-thienylcarbamate trifluoroacetate (preparation given) was stirred with MeBr and NaHCO3 in CH2Cl2/Me3COMe for 16 h to give (3-endo)-3-[[[[[(2-fluorophenyl)methyl](2-thienyl)amino]carbonyl]oxy]methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide.

IT 868079-26-9P 868079-48-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of azoniabicyclooctane carbamates as muscarinic
acetylcholine receptor antagonists)

RN 868079-26-9 CAPLUS

CN 8-Azoniabicyclo[3.2.1]octane, 8-(6-hydroxyhexyl)-8-methyl-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

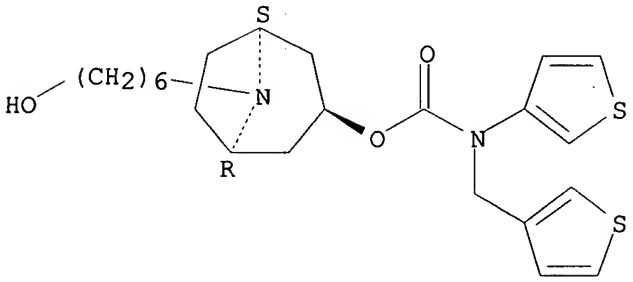
Relative stereochemistry.



RN 868079-48-5 CAPLUS

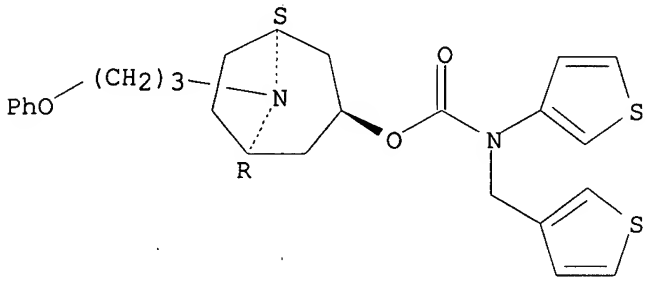
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-(6-hydroxyhexyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



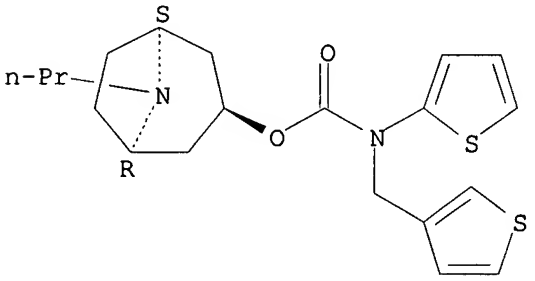
IT 868080-73-3P 868080-82-4P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of azoniabicyclooctane carbamates as muscarinic acetylcholine receptor antagonists)
RN 868080-73-3 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-phenoxypropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 868080-82-4 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-propyl-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

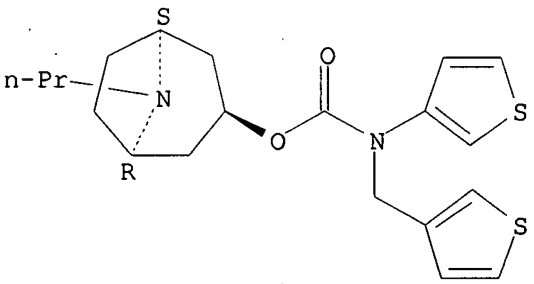


IT 868080-74-4P 868080-76-6P 868080-77-7P
868080-80-2P 868080-81-3P 868080-83-5P
868080-84-6P 868080-86-8P 868080-89-1P
868080-90-4P 868080-91-5P 868080-92-6P
868080-94-8P 868080-95-9P 868080-96-0P
868080-99-3P 868081-00-9P 868081-02-1P
868081-04-3P 868081-12-3P 868081-14-5P
868081-16-7P 868081-17-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(preparation of azoniabicyclooctane carbamates as muscarinic acetylcholine receptor antagonists)

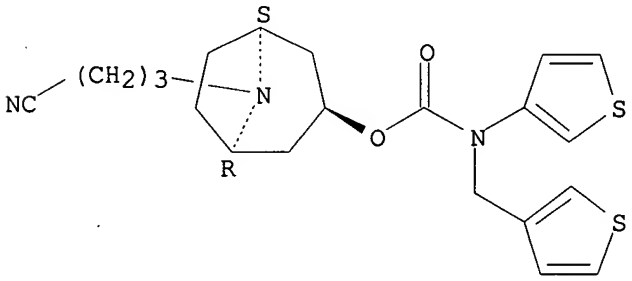
RN 868080-74-4 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-propyl-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



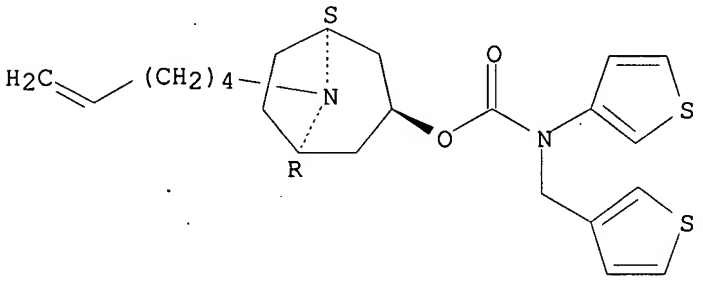
RN 868080-76-6 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-cyanopropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



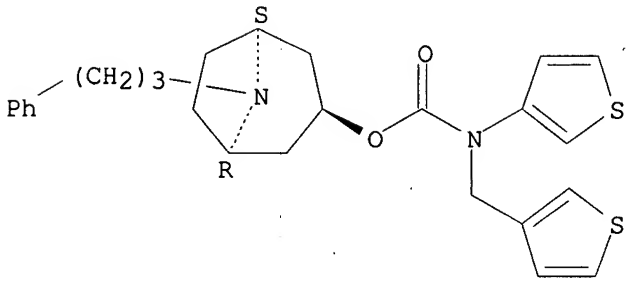
RN 868080-77-7 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-(5-hexenyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



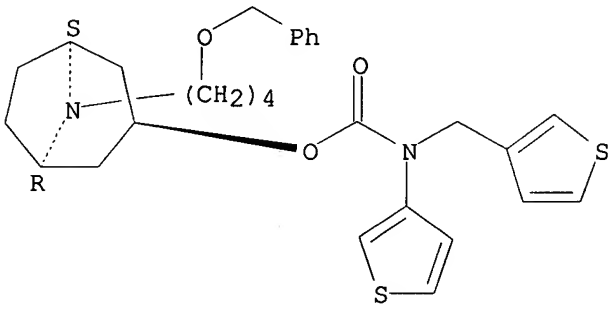
RN 868080-80-2 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-phenylpropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



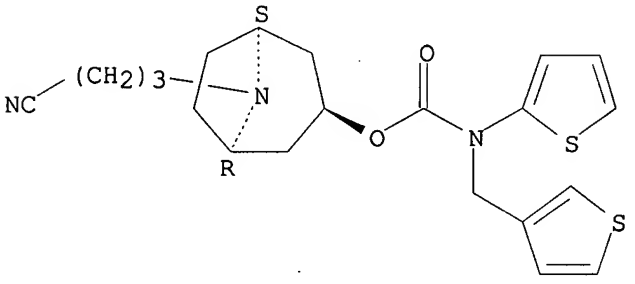
RN 868080-81-3 CAPLUS
CN Carbamic acid, 3-thienyl(3-thienylmethyl)-, (3-endo)-8-[4-(phenylmethoxy)butyl]-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



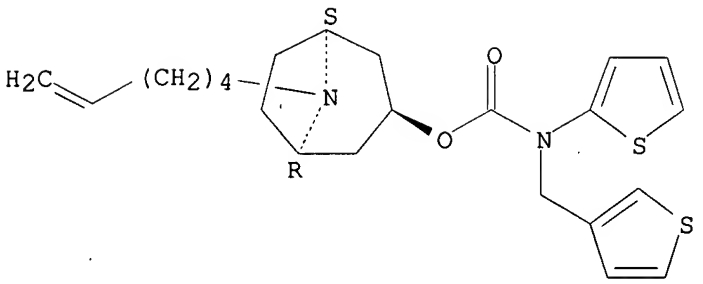
RN 868080-83-5 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-cyanopropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



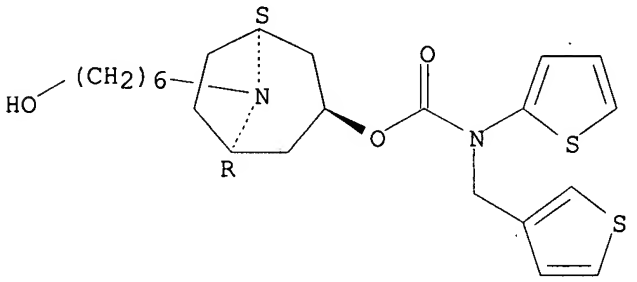
RN 868080-84-6 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(5-hexenyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



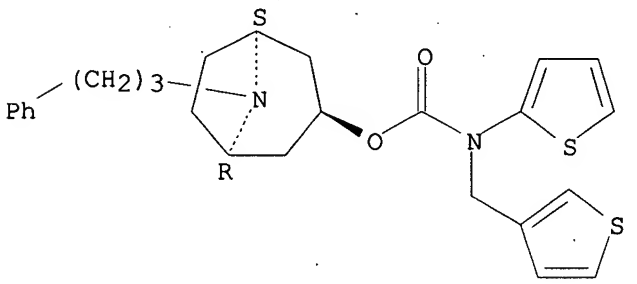
RN 868080-86-8 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(6-hydroxyhexyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



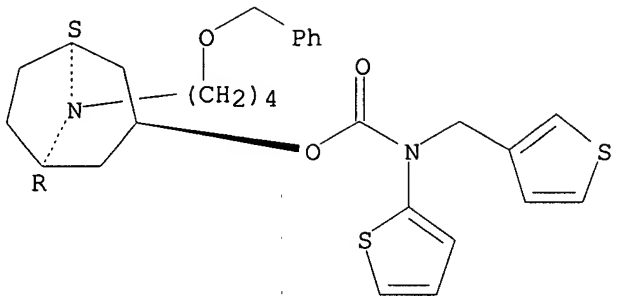
RN 868080-89-1 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-phenylpropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



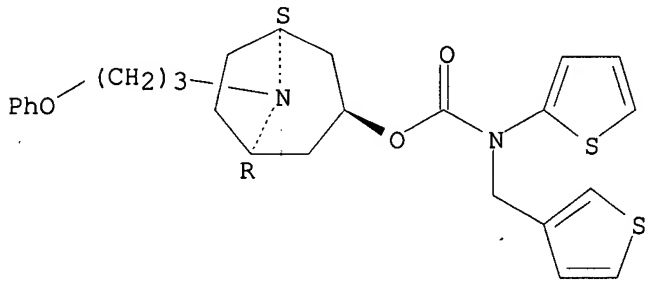
RN 868080-90-4 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-[4-(phenylmethoxy)butyl]-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



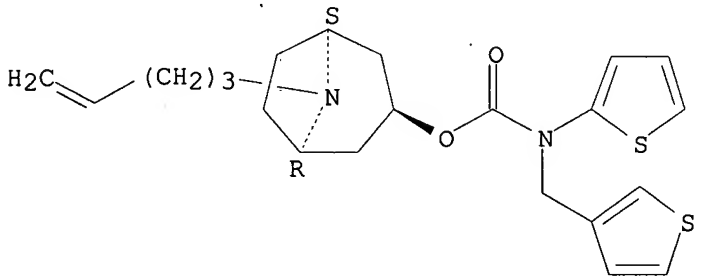
RN 868080-91-5 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(3-phenoxypropyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



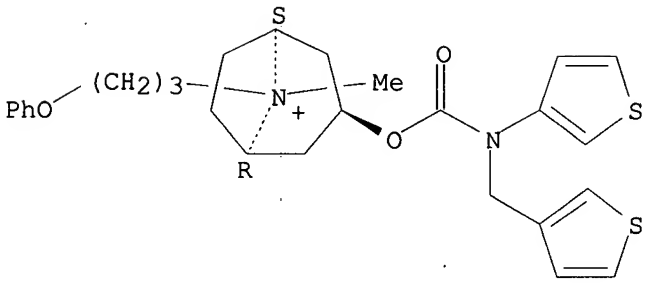
RN 868080-92-6 CAPLUS
CN Carbamic acid, 2-thienyl(3-thienylmethyl)-, (3-endo)-8-(4-pentenyl)-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 868080-94-8 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-(3-phenoxypropyl)-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

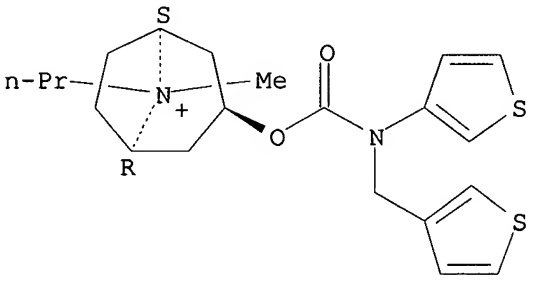
Relative stereochemistry.



● Br^-

RN 868080-95-9 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-propyl-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

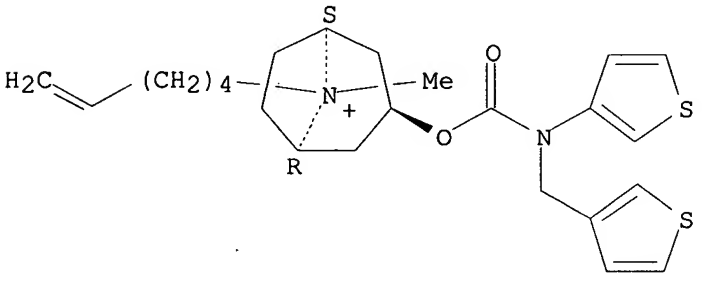
Relative stereochemistry.



● Br^-

RN 868080-96-0 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-(5-hexenyl)-8-methyl-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

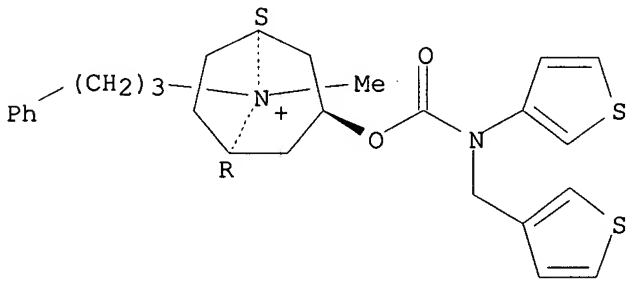
Relative stereochemistry.



● Br^-

RN 868080-99-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-(3-phenylpropyl)-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

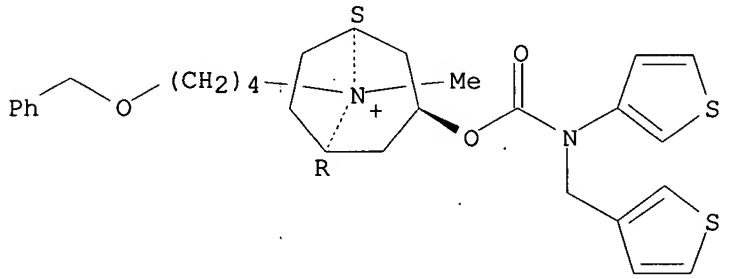
Relative stereochemistry.



● Br^-

RN 868081-00-9 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-[4-(phenylmethoxy)butyl]-3-[[[3-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, bromide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

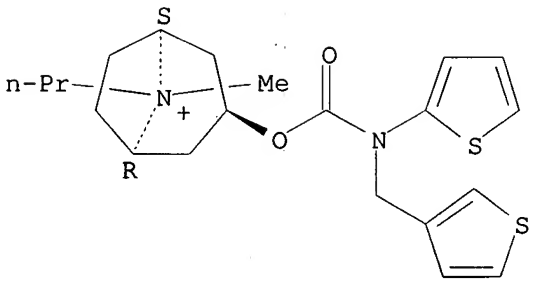
Relative stereochemistry.



● Br^-

RN 868081-02-1 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-propyl-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

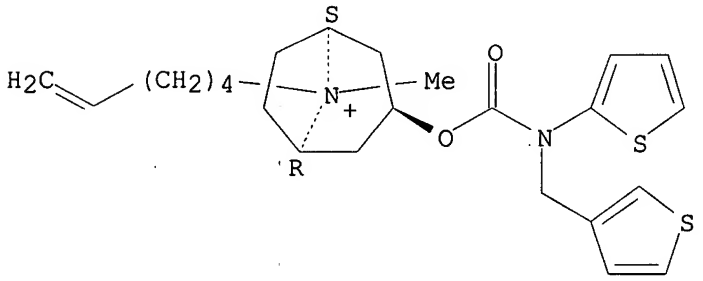
Relative stereochemistry.



● I^-

RN 868081-04-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-(5-hexenyl)-8-methyl-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

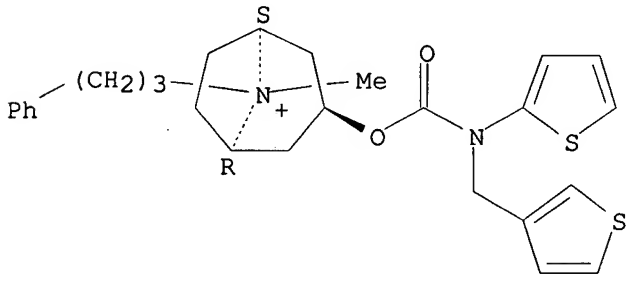
Relative stereochemistry.



● I^-

RN 868081-12-3 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-(3-phenylpropyl)-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

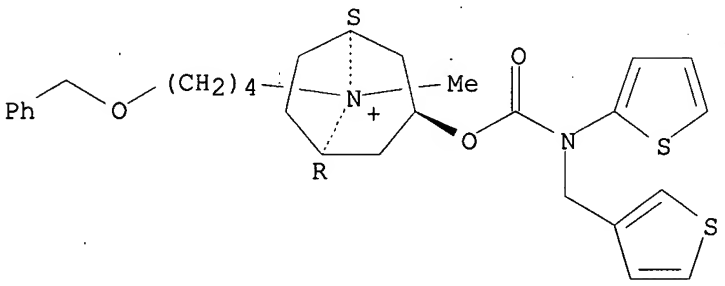
Relative stereochemistry.



● I^-

RN 868081-14-5 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-[4-(phenylmethoxy)butyl]-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

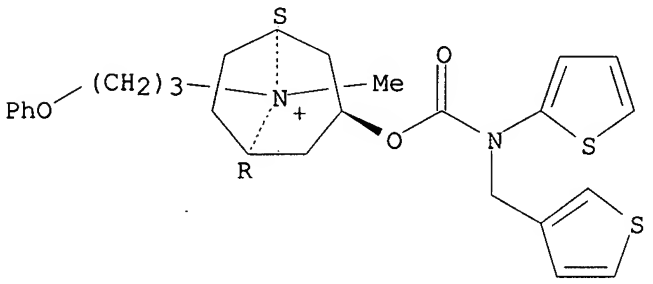
Relative stereochemistry.



● I^-

RN 868081-16-7 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-(3-phenoxypropyl)-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

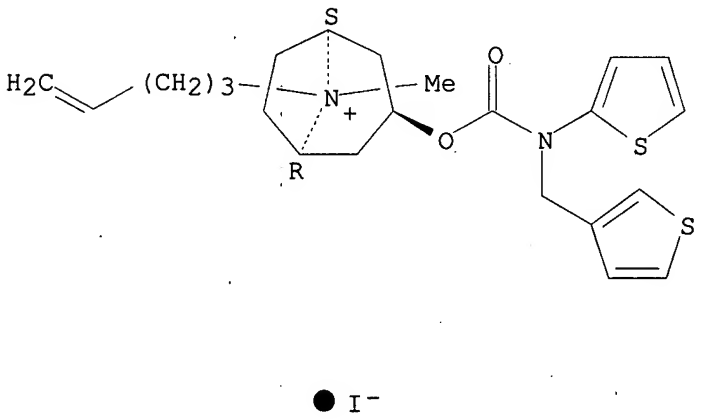
Relative stereochemistry.



● I^-

RN 868081-17-8 CAPLUS
CN 8-Azoniabicyclo[3.2.1]octane, 8-methyl-8-(4-pentenyl)-3-[[[2-thienyl(3-thienylmethyl)amino]carbonyl]oxy]-, iodide, (3-endo,8-anti)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



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     FILE 'REGISTRY' ENTERED AT 14:09:52 ON 11 JUN 2007
L1               STRUCTURE UPLOADED
L2             1 S L1
L3            39 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 14:10:38 ON 11 JUN 2007
L4             1 S L3 FULL

=> log y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY    SESSION
FULL ESTIMATED COST                                7.62     179.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                               -0.78      -0.78

STN INTERNATIONAL LOGOFF AT 14:13:53 ON 11 JUN 2007
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